## Claims

What is claimed is:

1. A method of agglomerating particulate matter in exhaust gas from an engine, comprising:

dividing a flow of exhaust gas from the engine into at least two streams of exhaust gas, each of the two streams of exhaust gas including particulate matter;

altering at least one characteristic of the particulate matter in at least one of the two streams of exhaust gas; and

combining the two streams of exhaust gas such that the particulate matter agglomerates into larger particles.

- 2. The method of claim 1, further including passing the combined stream of exhaust gas through a particulate matter trap.
- 3. The method of claim 1, further including altering at least one characteristic of the other of the two streams of exhaust gas.
- 4. The method of claim 1, wherein the characteristic being altered is an electrical property of the particulate matter.
- 5. The method of claim 1, wherein the characteristic being altered is the temperature of the particulate matter.
- 6. A method of agglomerating particulate matter in exhaust gas from an engine, comprising:

dividing a flow of exhaust gas from the engine into at least two streams of exhaust gas, each exhaust gas stream including particulate matter; positively charging the particulate matter in one of the at least two streams of exhaust gas;

negatively charging the particulate matter in the other of the at least two streams of exhaust gas; and

combining the stream of exhaust gas having the positively charged particulate matter with the stream of exhaust gas having the negatively charged particulate matter.

- 7. The method of claim 6, further including passing the combined stream of exhaust gas through a particulate matter trap.
- 8. The method of claim 6, wherein the particulate matter in said one stream of exhaust gas is positively charged by applying a positive voltage thereto.
- 9. The method of claim 8, wherein the particulate matter in said other stream of exhaust gas is negatively charged by applying a negative voltage thereto.
- 10. An apparatus for agglomerating particulate matter in an exhaust flow from an engine, comprising:
- a first exhaust conduit configured to conduct a first stream of exhaust gas having particulate matter;
- a second exhaust conduit configured to conduct a second stream of exhaust gas having particulate matter;
- a charging device operable to selectively impart a positive charge to the particulate matter in the first exhaust conduit and to impart a negative charge to the particulate matter in the second exhaust conduit; and
- a junction connecting the first and second exhaust conduits to form a combined exhaust gas passage.

- 11. The apparatus of claim 10, further including a particulate matter trap disposed in the combined exhaust gas passage.
- 12. The apparatus of claim 10, wherein the charging device includes a positive electrode disposed in the first exhaust conduit and a negative electrode disposed in the second exhaust conduit.
- 13. The apparatus of claim 12, wherein the positive electrode is configured to apply a positive voltage of at least 8 kV and the negative electrode is configured to apply a negative voltage of at least 7.5 kV.
- 14. The apparatus of claim 12, further including a plurality of positive electrodes disposed in the first exhaust conduit and a plurality of negative electrodes disposed in the second exhaust conduit.
- 15. The apparatus of claim 10, further including a first ground disposed in the first exhaust conduit and a second ground disposed in the second exhaust conduit.
- 16. The apparatus of claim 15, wherein the first ground is a copper screen disposed around the inner perimeter of the first exhaust conduit and the second ground is a copper screen disposed around the inner perimeter of the second exhaust conduit.
- 17. The apparatus of claim 10, further including a ground disposed at the junction.
- 18. The apparatus of claim 17, wherein the ground is a copper screen disposed around the inner perimeter of the combined exhaust gas passage.